

PATENT COOPERATION TREATY

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From the INTERNATIONAL BUREAU

NOTIFICATION OF ELECTION
(PCT Rule 61.2)Date of mailing (day/month/year)
11 August 2000 (11.08.00)To:
Assistant Commissioner for Patents
United States Patent and Trademark
Office
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in its capacity as elected Office

International application No.
PCT/GB99/04170Applicant's or agent's file reference
HJL/7086INTInternational filing date (day/month/year)
10 December 1999 (10.12.99)Priority date (day/month/year)
12 December 1998 (12.12.98)

Applicant

BOATMAN, Peter, James

1. The designated Office is hereby notified of its election made: in the demand filed with the International Preliminary Examining Authority on:

07 July 2000 (07.07.00)

 in a notice effecting later election filed with the International Bureau on:2. The election was was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO
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Authorized officer

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CORRECTED VERSION

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(51) International Patent Classification⁷: B29C 67/24, (74) Agent: LOCK, Howard, John; Swindell & Pearson, 48 F16L 9/08, 9/14 Friar Gate, Derby DE1 1GY (GB).

(21) International Application Number: PCT/GB99/04170 (81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

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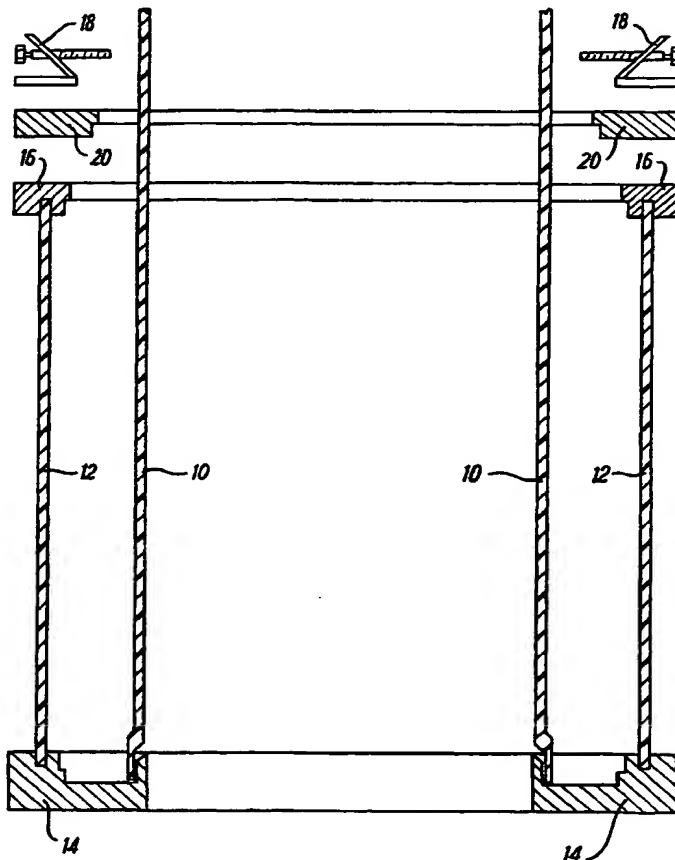
(26) Publication Language: English

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(71) Applicant and (72) Inventor: BOATMAN, Peter, James [GB/GB]; 4 Hardings Cottages, St. Thomas, Exeter EX4 1HD (GB).

[Continued on next page]

(54) Title: IMPROVEMENTS IN OR RELATING TO PIPES



(57) Abstract: A method of manufacturing a pipe, comprises forming a pair of material layers (10, 12) from a plastics material. The material layers (10, 12) are positioned in a spaced apart relation. A core layer is formed between the preformed material layers. The layers are tubular in configuration. A pipe formed from the layers is also disclosed.

WO 00/35664 A1



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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

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II

PENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference HJL/7086INT	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/GB 99/04170	International filing date (day/month/year) 10/12/1999	(Earliest) Priority Date (day/month/year) 12/12/1998
Applicant BOATMAN, Peter, James		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :
 - contained in the international application in written form.
 - filed together with the international application in computer readable form.
 - furnished subsequently to this Authority in written form.
 - furnished subsequently to this Authority in computer readable form.
 - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
 - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

4. With regard to the title,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

1

- None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PC173 99/04170

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 B29C67/24 B29C67/18 F16L9/08 F16L9/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B29C B28B F16L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 406 724 A (CARLSTROM BORGE INGMAR ET AL) 22 October 1968 (1968-10-22) abstract claims 1,2 figure 1 ---	1-3
X	WO 98 36897 A (BOATMAN PETER JAMES) 27 August 1998 (1998-08-27) page 2, paragraphs 2,4,5 page 4, paragraph 3 claims 1-23 ---	1,2,4,6, 7,10-19
A	DE 44 32 333 A (ILOMA AUTOMATISIERUNGSTECHNIK) 14 March 1996 (1996-03-14) column 1, line 53-63 column 3, line 40-67 figure 1 ---	4-9 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

Date of mailing of the International search report

10 April 2000

14/04/2000

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/04170

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 91 08101 A (WAVIN BV) 13 June 1991 (1991-06-13) abstract -----	8

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 99/04170

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